

LASZLO, Antal, prof (Veszprem, Universitat); MAGYAR, Miklos (Veszprem, Universitat); STEINGASZNER, Pal (Hochdruckforschungsinstitut, Petfurdo)

Data on the kinetic evaluation of hydrocracking of the atmospheric distillation residue of Tooyasa. Acta chimica Hung 31 no.1/3:137-144 '62.

1. Physikalisch-Chemischer Lehrstuhl der Chemisch-Technischen Universitat, Veszprem und Hochdruckforschungsinstitut, Budapest-Petfurdo.

38033
H/502/62/031/001/002/002
D409/D301

119100
AUTHORS:

Steingaszner, Pál (Budapest) and Horváth, József
(Pétfürdő)

TITLE:

On hydrotreating of lubricating-oil fractions

SOURCE:

Academia scientiarum hungaricae. Acta chimica, v. 31,
no. 1-3, 1962, 195-206

TEXT:

The High-Pressure Research Institute in Budapest-Pétfürdő has conducted hydrotreating experiments with furfural-extracted lubricating-oil cuts obtained from sulphur-rich Soviet crude. The tests were made in a 200 ml laboratory reactor over a nickel-molybdenum-alumina catalyst at reaction temperatures of 230 - 410°C and pressures of 20 - 80 atm. It was found that the reaction pressure has no influence on the yield and the quality of hydrogenated products, and that the viscosity, viscosity index, and sulphur content of obtained products depends merely on the reaction temperature. This temperature should not exceed 340 - 360°C to avoid undesired viscosity decrease and formation of light distil-

Card 1/2

On hydrotreating ...

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lates. The lubricating-oil yield at this temperature range amounts to 95%, the ageing stability is satisfactory, and the oil can be classified as SAE-30. Higher hydrotreating temperatures should only be applied for oil grades where considerably higher viscosity indices are desired. (To attain a viscosity index of 80, the reaction temperature must lie above 370°C, however, the obtained oil can only be classified as SAE-20). The tests also showed that the oxidation stability of the oil increases with decreasing sulphur contents, a result which is in contradiction to the oxidation-inhibiting effect of sulphur compounds as postulated by various authors. Credit is given to Professor M. Freund, E. Vámos, and Gy. Mózes of the MÁFKI Hungarian Crude-Oil and Natural-Gas Research Institute. There are 7 figures and 4 tables. The most recent English-language reference is : Butler, Katzmark, 5th World Petroleum Congress, Sect. III, Paper 11, New York, 1959. ✓

ASSOCIATION: High-Pressure Research Institute, Budapest-Pétfürdő

SUBMITTED: September 15, 1961

Card 2/2

L 46853-66 T WE
ACC NR: AP6034696

SOURCE CODE: HU/0006/66/CCO/Q04/0178/0183

AUTHOR: Karolyi, Jozsef; Peter, Istvan; Steingaszner, Pal; Hevesi, Jeno

23
B

ORG: Institute of High Pressure Research (Nagynyomasu Kiserleti Intezet)

TITLE: Catalysts and catalyst poisons in gasoline refining II

SOURCE: Magyar kemikusok lapja, no. 4, 1966, 178-183

TOPIC TAGS: catalytic reforming, petrochemistry

ABSTRACT: Experiments were carried out with gasolines and a catalyst of Russian origin to determine the sulfur and nitrogen tolerance of the catalyst. By using the experimental results, the highest allowable sulfur and nitrogen content can be predicted while reforming gasolines of different hydrocarbon types. In the highly paraffinic gasolines which represent the basic material of the Hungarian refineries, the maximal nitrogen content can be 0.0002 per cent by weight, that of sulfur 0.01 per cent by weight. Orig. art. has: 8 figures and 6 tables. [Based on authors' Eng. abst.] [JPRS: 36,862]

SUB CODE: 07, 11 / SUBM DATE: none / OTH REF: 001

Card 1/1

092/ 1325

KALAN, Tibor; JANIK, Jozsef; KURUCZ, Imre; STEINGRUBER, Istvan;
GERENCSEK, Jozsef; OROS, Gyula; KOLLAR, Medard

Diemaking by hot impression. Koh lap 9 no. 9: 390-399 S '54.

STEINHART, Leo, Maj, Dr Hradec Kralove Military Medical Academy

Coauthor, with Dr Ota SKRIVANEK, of article "X-Ray Diagnosis of Prolapses of a Vertebral Disk," dealing with diagnosis by X-rays prior to the excision of a vertebral disk, and the employment of other diagnostic methods. (VZL, Nov 54)

SO: Sum. 436, 30 March 1955

STEINHART, Leo

BASTECKY, Jan; BRZEK, Vladimir; STEINHART, Leo; CERNOC, Zdenek; SKRIVANEK,
Ota; RUZICKA, Karel

Clinical evaluation of splenoportography. Cas.lek.cesk. 94 no.14:
359-365 1 Apr 55.

1. Z radiologicke kliniky klinicke nemocnice VIA a z chirurgicke
kliniky klinicke nemocnice VIA v Hradci Kralove.
(SPLEEN, radiography,
splenoportography, clin. evaluation)

PROCHAZKA, Jaroslav; STEINHART, Leo

Accessory pulmonary artery with so-called pulmonary sequestration.
Cas. lek. cesk. 96 no.6:167-173 8 Feb 57.

1. Chirurgicka klinika VLA J. Ev. P., prednosta: akademik
Jan Bedrna; Radiologicka Klinika VLA J. Ev. P., prednosta:
prof. Dr. J. Bastecky. J. P. Hradec Kralove, VLA.

(ARTERIES, PULMONARY, dis.

sequestration of accessory artery, clin. manifest. &
surg. (Cz))

KROO, Michal; STEINHART, Leo

Significance of contrast x-ray examination of tumors in the pituitary region. Cesk. rentg. 13 no.1:8-18 Feb 59.

1. Neurochirurgická klinika, přednosta prof. dr. R. Petr, radiologická klinika, přednosta prof. dr. J. Bastecky, lékařské fakulty Karlovy university v Hradci Králové.

(BRAIN NEOPLASMS, diag.

x-ray, in tumors of pituitary area (Cz))

NETTL, S.; STEINHART, L.; DITE, B.

Normal deep cerebral phlebographic picture according to clinical data of the J.Š. Purkyne VIA Neurological Clinic. Cesk. neur. 22 no.3:159-168 May 59.

1. Neurologická klinika VIA J. Ev. P., radiologická klinika VIA J. Ev. P. a radiologické oddělení FN Jaromer.

(ANGIOGRAPHY, CEREBRAL,

normal standards of deep phlebography (Cz))

KROO, Michal; STEINHART, Leo

Contrast roentgen picture of intracranial pressure lesions of the optic nerve, chiasm and optic tract. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad ~~Č~~ral) 4 no.2:161-175 '61.

1. Katedra I. chirurgie; prednosta prof. MUDr. R. Petr. Katedra radiologie; prednosta prof. Dr.Sc. MUDr. J. Bastecky.
(BRAIN NEOPLASMS radiography)

KROO, Michal; STEINHART, Leo

Contrast roentgen picture of pressure lesions of the optic nerve, chiasm and optic tract. Cesk. ofth. 17 no.4/5:250-251 J1 '61.

1. Lekarska fakulta Karlovy university v Hradci Kralove, katedra I chirurgie, prednosta prof. MUDr. R. Petr a katedra radiologie, prednosta prof. MUDr. J. Bastecky, Dr. Sc.

(BRAIN NEOPLASMS radiography)
(OPTIC NERVE diseases)

STEINHART, L.

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: [not given]

Affiliation:

Source: Prague, Rozhledy v Tuberkulose a v Nemocech Plicnich, Vol XXI, No 6, July 61,
pp 483-488

Data: "The Diagnostics of So-Called Intralobar Sequestration of the Lung."

Authors: PROCHAZKA, J., Prof, Dr, Director of Clinic of Surgery KU [Karlova universita;
Charles University] (Chirurgicka klinika KU), Hradec Kralove.

STEINHART, L., Presumably Clinic of Surgery KU, Hradec Kralove.

ENDRYS, J., [presumably] Radiological Clinic (Radiologicka klinika), Hradec
Kralove; Director: Prof Dr. J. BASTECKY, Dr Sc

GPO 981643

STEINHART, L.; ENDRYS, J.; DITE, B.; SLEZAK, P.; PROCHAZKA, J.; BELOBRADEK, Z.;
PETRLE, M.

The angiocardiographic picture of the mitral orifice. Cor vasa 4
no.3:212-218 '62.

1. Centre for Cardiac Surgery, Faculty of Medicine, Charles University
Hradec Kralove.

(MITRAL VALVE radiography) (ANGIOCADIOGRAPHY)

POLACEK, Premysl; STEINHART, Leo; ENDRYS, Jiri; VYSLOUZIL, Josef

Muscular bridges and loops over coronary arteries in coronariograms.
Cesk. morf. 10 no.3:251-258 '62.

1. Departments of Anatomy, Radiology and Surgery Charles' University
Medical Faculty, Hradec Kralove.

(CORONARY VESSELS radiography) (ANGIOGRAPHY experimental)

ENDRYS, Jiri; KVASNICKA, Jiri; STEINHART, Leo; VORTEL, Vladimir; BRZEK, Vladimir; VYSLOUZIL, Jan; KRAVEC, Miroslav.

Method of measuring the volume of flow through broncho-pulmonary anastomoses. Sborn.ved.prac.lek.fak.Karlov.Univ. (Hrad.Kral) 6 no.3:219-228 '63.

1.Kardiochirurgicke stredisko (prednosta:prof. MUDr.J.Prochazka); I.interni klinika (prednosta: prof. MUDr.J.Rehor); Radiologicka klinika (prednosta DrSc., prof. MUDr. J.Bastecky); Patologicko-anatomicky ustav (prednosta DrSc., MUDr. A.Fingerland) a Chirurgicka klinika (prednosta: prof., MUDr. J.Prochazka), Universita Karlova.

*

SLEZAK, Premysl; STEINHART, Leo; FRANK, M.; JURIN, Ivo; DITE, B.

Congenitally corrected transposition of the great vessels
in the angiocardigraphic picture. Sborn.ved.prac.lek.fak.
Karlov.Univ.(Hrad.Kral.) 6 no.3:311-318 '63.

1. Radiologicka klinika (prednosta: DrSc., prof., MUDr. J.
Bastecky); Detska klinika (prednosta: DrSc., prof., MUDr.
J.Blecha) a Chirurgicka klinika (prednosta: prof., MUDr.
J.Prochazka), Universita Karlova.

*

PETRLE, M.; PROCHAZKA, J.; ENDRYS, J.; BELOBRADEK, Z.; KOSMAK, J.; STEINHARDT, L.;
VIZDA, J.

Recurrent tight mitral stenosis. Cor. vasa 6 no. 2:104-111'64

1. 1st and IIInd Internal Clinics, Surgical Clinic and Radiological Clinic, Faculty of Medicine, Caroline University, Hradec Kralove, Czechoslovakia.

VYSLUZIL, J.; ENDRYŠ, J.; STEINHART, L.

Congenital supra-ventricular aortic stenosis with mitral insufficiency. Cor. vasa 6 no.2:164-167 '64

1. Cardiosurgical Centre and Department of Radiology, Faculty of Medicine, Caroline University, Hradec Kralove, Czechoslovakia.

*

BELOBRADEN, Zdenek; ENDRYS, Jiri; KOSMAK, Ivan; PETRLE, Miroslav;
STEINHART, Leo

Changes of indexes calculated from the left atrial pressure
curve during amyl nitrite inhalation. Sborn. ved. prac. lek.
fak. Karlov. Univ. 7 no.5:653-660 '64.

1. II. interni klinika (prednosta: prof. MUDr. V. Jurkovic, DrSc.);
Kardiocirurgicke stredisko (prednosta: prof. MUDr. J. Prochazka,
DrSc.); Vyzkumny ustav experimentalnej terapie, Praha-Krc (pred-
nosta: MUDr. O. Smahel, DrSc.) a Radiologicka klinika (prednosta:
prof. MUDr. J. Bastecky, DrSc.).

KREN,V.; SLEZAK,P.; STEINHART,L.; ENDRYS,J.; PROCHAZKA,J.

False dissected aortic aneurysm. Cesk. rentgen. 18 no.1:69-70
Ja'64.

1. Kardiochirurgické středisko lékařské fakulty KU v Hradci
Kralové a Radiologická klinika lékařské fakulty KU v Hradci
Kralové (prednosta: prof.dr.J.Bastecky, DrSc.).

*

KOSMAK, Ivan; ENDRYS, Jiri; PETRLE, Miroslav; FRANK, Miroslav;
BELOBRADEK, Zdenek; STEINHART, Leo; SLEZAK, Premysl

The intracardial phonocardiogram in aortic stenosis. Sborn. ved.
prac. lek. fak. Karlov. Univ. 7 no.5:661-664 '64.

1. II. interni klinika (prednosta: prof. MUDr. V. Jurkovic, DrSc.)
Kardiochirurgicke stredisko (prednosta: prof. MUDr. J. Prochazka,
DrSc.); Vyzkumny ustav exper. terapie, Praha-Krc (prednosta: MUDr.
O. Smahel, DrSc.) a Radiologicka klinika (prednosta: prof. MUDr.
J. Bastecky, DrSc.).

PROCHAZKA, Jaroslav, prof. MUDr., DrSc.; BRZEK, Vladimir; ENDRYS, Jiri;
KOSMAK, Ivan; STEINHART, Leo; JURIN, Ivan; SLEZAK, Premysl;
FINGERLAND, Antonin, prof. MUDr., DrSc.

Experience with surgical treatment of congenital aortic stenosis.
Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:85-96 '64.

I. Kardiochirurgické středisko a chir. klinika (prednosta: prof.
MUDr. J. Prochazka, DrSc.); II. interní klinika (prednosta:
prof. MUDr. V. Jurkovic); Radiologická klinika (prednosta:
prof. MUDr. J. Bastecky, DrSc.) a Patologicko-anatomický ústav
(prednosta: prof. MUDr. A. Fingerland, DrSc.) Karlovy University
v Hradce Králové.

ENDRYS, Jiri; KOSMAK, Ivan; SLEZAK, Premysl; PROCHAZKA, Jaroslav, prof.
MUDr., DrSc.; STEINHART, Leo; JURIN, Ivan; FRANK, Miroslav.

Early systolic snap in aortic stenosis. Sborn. ved. prac. lek.
fak. Karlov. Univ. 9 no.1:97-108 '64.

I. Kardiochirurgické středisko a chir. klinika (prednosta:
prof. MUDr. J. Prochazka, DrSc.); II. interní klinika (pred-
nosta: prof. MUDr. V. Jurkovic); Radiologická klinika (prednos-
ta: prof. MUDr. J. Bastecky, DrSc.) a Dětská klinika (pred-
nosta: prof. MUDr. J. Blecha, DrSc.) University Karlovy v
Hradci Králové.

KOSMAK, I.; PETRLE, M.; ENDYIS, J.; BELOBRADEK, Z.; JURKOVIC, V.; STEINHART, L.; SLEZAK, P.

On the methodology of intracardiac phonocardiography. Cor Vasa
6 no.4:281-287 '64.

1. IInd Internal Clinic, Ist Internal Clinic, Surgical Clinic,
Centre for Cardiac Surgery and Radiological Departments, Faculty
of Medicine of the Caroline University, Hradec Kralove,
Czechoslovakia.

SLEZAY, Premysl; ST. MIHART, Leo; ENDRYS, Jiri; FRANK, Miroslav; KOSMAK, Ivan; BELOBRADEZ, Zdenek; PROCHAZKA, Jaroslav, prof. MUDr., DrSc.; REZAC, Vaclav; JURIN, Ivan.

Morphological, hemodynamic and postoperative changes in atrial septal defects demonstrated by a simple X-ray picture. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:109-119 '64.

1. Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.); Chirurgicka klinika (Prednosta: prof. MUDr. J. Prochazka, DrSc.); II. interni klinika (prednosta: prof. MUDr. V. Jurkovic); Detska klinika (prednosta: prof. MUDr. J. Blecha, DrSc.) a I. interni klinika (prednosta : prof. MUDr. F. Cernak) University Karlovy v Hradci Kralove.

KREN, Vitezslav; CERNOCH, Zdenek; STEINHART, Leo; ENDRYS, Jiri;
SLEZAK, Premysl; PUDIL, Vratislav; PRIBORSKY, Jaromir;
HODAN, Jiri

Liver and kidney venography in animal experiments during
delayed circulation by intrabronchial hypertension. Sborn.
ved. prac. lek. fak. Karlov. Univ. 8 no.2:179-182 '65

1. Radiologika klinika (prednosta: prof. MUDr. J. Bastecky,
DrSc.) a Chirurgicka klinika (prednosta: prof. MUDr.
J. Prochazka, DrSc.) Lekarske fakulty Karlovy University
v Hradci Kralove.

NETTL, Sasa; STEINHART, Leo; SLEZAK, Premysl; DITE, Bohumil; PUDIL, Vladimir.

Deep brain phlebogram in anteroposterior projection in expansive intracranial processes. Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.2:199-205 '65.

1. Neurologicka klinika (prednosta: prof. MUDr. M. Sercl, DrSc.); Radiologicka klinika (prednosta: prof. MUDr. J. Bastacky, DrSc.) Lekarske fakulty Karlovy University v Hradci Kralove.

KREN, V.; CERNOCH, Z.; STEINHART, L.; ENDRYS, J.; SLEZAK, P.; PUDIL, V.;
PRIBORSKY, J.; HODAN, J.

Venography of the liver and kidneys with slowed-down circulation
by means of intrabronchial hypertension in animal experiments.
Cesk. radiol. 19 no.4/5:285-288 Ag '65.

1. Radiologicka a chirurgicka klinika lekarske fakulty Karlovy
University v Hradci Kralove, CSSR.

ENDRYS, J.; STEINHART, L; FRANK, M.; SLEZAK, P.

Possibilities of catheterization and angiocardiology of the left heart in the diagnosis of congenital heart defects in children. Cesk. pediat. 19 no.6:490-494 Je'64

1. Kardiochirurgické středisko KUNZ [Krajský ústav národního zdraví] v Hradci Králové Chirurgická klinika (prednosta: prof. dr. J. Procházka); Radiologická klinika (prednosta: prof. dr. J. Bastánek, DrSc.); Dětská klinika (prednosta: prof. dr. J. Hlecha, DrSc.) lékařské fakulty KU [Karlovy university] v Hradce Králové.

ENDRYS, J.; STEINHART, L.; KOSMAK, I.; PETERLE, M.; PROCHAZKA, J.;
BELOBLADIK, Z.; REZAC, V.; SLEZAK, P.

Catheterization of the left heart. Evaluation of experiences with
650 examinations. Vnitřní lek. 11 no.4:331-338 Ap'65.

1. Kardiochirurgické středisko, fakultní nemocnice a lékařská
fakulta Karlovy University v Hradci Králové.

STEINHART, L.; ENDRYS, J.; SLEZAK, P.; PROCHAZKA, J.; DITE, B.; PETRLE, M.;
BELOBRADEK, Z.; KOSMAK, I.; FRANK, M.

Transseptal levography in congenital and acquired diseases of
the heart and of the large vessels. Cesk. radiol. 19 no. 4/5:
253-259 Ag '65.

1. Radiologicka, chirurgicka, I. interni, II. interni a detska
klinika lekarstve fakulty Karlovy University v Hradci Kralove,
CSSR.

CERNOCH, Z.; KREN, V.; KOPECNY, J.; KVASNICKA, J.; SLEZAK, P.; STEINHART, L.;
NAVRATIL, P.

Roentgen findings in hypertensive patients during lumbar
aortography and renovasography. Cesk. radiol. 19 no.4/5:
311-314 Ag '65.

1. Radiologicka klinika, ustav patologicke anatomie, I. interni
a urologicka klinika lekarske fakulty Karlovy University v Hradci
Kralove, CSSR.

PROCHAZKA, Jaroslav; ENDRYS, Jiri; FRANK, Miroslav; STEINHART, Leo

Double aortic arch. Sborn. ved. prac. lek. fak. Karlov. Univ.
8 no. 4:443-447 ' 65.

1. Chirurgická klinika (prednosta: prof. MUDr. J. Prochazka,
DrSc.); Dětská klinika (prednosta: prof. MUDr. J. Blecha, DrSc.)
a Radiologická klinika (prednosta: prof. MUDr. J. Bastecky,
DrSc.) Karlovy University v Hradci Králové.

ENDRYS, Jiri; STEINHART, Leo; PROCHAZKA, Jaroslav; SLEZAK, Premysl;
KOSMAK, van; KVASNICKA, Jiri; REZAC, Vaclav.

The degree of mitral insufficiency. Comparison of dilution
technics. Angiography and operative findings. Sborn. ved. prac.
lek. fak. Karlov. Univ. 8 no.4:461-465 ' 65.

1. Kardiochirurgické středisko (prednosta: prof. MUDr.
J. Prochazka) Karlovy University v Hradci Kralove.

STEINHARTOVA, L., MUDr

Gronblad-Strandberg syndrome. Cesk. opht. 10 no.6:390-394 Dec 54.

1. Z oční kliniky VLA v Hradci Karlove
(PSEUDOXANTHOMA ELASTICUM
Gronblad-Strandberg synd.)

11/14/1967

KLIMA, M.; PETR, R.; STEINHARTOVA, L.; KOTAN, S.

Surgical treatment of prechiasmatic arachnoiditis complicated by incarceration of the intracanalicular segments of the optic nerves. Cesk. oft. 13 no.4:252-260 Aug 57.

1. Oddi a neurochirurgická klinika VIA J. Ev. P., přednosta prof. Dr. M. Klima a prof. Dr. R. Petr.

(ARACHNOID, dis.

arachnitis, prechiasmatic, with incarceration of intracanalicular segments of optic nerves, surg. (Cz))

(NERVES, OPTIC, dis.

incarceration of intracanalicular segments in prechiasmatic arachnitis, surg. (Cz))

STEINHARTOVA, L.; BLECHOVA, D.

Effect of a 1% solution of AgNO_3 & boric acid on local & microbial conditions of the conjunctival sac in newborns. Cesk. ofth. 14 no.5:365-370 Oct 58.

1. Oční klinika VIA J. Ev. P., prednosta prof. MUDr. Milos Klima,
Detská klinika VIA J. Ev. P., prednosta prof. MUDr. Jiri Blecha.

(CONJUNCTIVA, eff. of drugs on
silver nitrate & boric acid on conjunctiva & microbial flora
of conjunctival sac in newborn (Cz))

(INFANT, NEWBORN, physiol.
eff. of silver nitrate & boric acid on conjunctiva & micro-
bial flora of conjunctival sac (Cz))

(SILVER, NITRATE, eff.
on conjunctiva & microbial flora of conjunctival sac in
newborn (Cz))

(BORIC ACID, eff.
same)

(MICROORGANISMS, eff. of drugs on
silver nitrate & boric acid on microbial flora of conjunc-
tival sac in newborn (Cz))

SVERAK, Jaromir; STEINHARTOVA, Libuse; PEREGRIN, Jaroslav

The importance of ERG examination in intraocular foreign bodies.
Cesk. ofth. 17 no.4/5:352-357 JI '61.

1. Očni klinika (prednosta prof. MUDr. Milos Klima) a Fyziologicky
ustáv (prednosta prof. MUDr. Jaroslav Melka) Lekarske fakulty KU v
Hradci Kralove.

(ELECTRORETINOGRAPHY) (EYE for bodies)

LIPA, Jerzy J.; STEINHAUS, Edward A.

Further report on identifications of Protozoa pathogenic for insects.
Acta parasit Pol 10 no.1/11:165-175 '62.

1. Instytut Ochrony Roslin, Poznan, Grunwaldzka 189 (for Lipa).
2. Department of Insect Pathology, University of California, Berkeley
4, California (for Steinhaus).

STEINHAUS, H.

Mathematical Reviews
Vol. 15 No. 1
Jan. 1954
Analysis

✓ Steinhaus, H. The principles of statistical quality control.
Zastosowania Mat. 1, 4-27. (1953). (Polish. Russian
and English summaries)

Expository and polemical article reviewing various ways
of formulating the mathematical problem of an "optimum"
inspection plan. The discussion revolves about the familiar
fact that the expected loss from the application of any
given inspection plan depends essentially upon the fre-
quency distribution of quality in the sequence of lots that
will be delivered for inspection.

J. Neyman.

(1) Math

2

7-13-54 LL

STEINHAUS, H.

(3)

Mathematical Reviews
Vol. 15 No. 4
Apr. 1954
Topology

✓
Kuratowski, K., et Steinhaus, H. Une application géométrique du théorème de Brouwer sur les points invariants. Bull. Acad. Polon. Sci. Cl. III. 1, 83-86 (1953).

The n -dimensional case of the following theorem is proved. Let R be a bounded measurable set in the plane, and let $r = |R|$ be the measure of R . Let A_0, A_1, A_2 be the angles determined by three rays emanating from a point. Finally, let $\alpha_0, \alpha_1, \alpha_2$ be three non-negative numbers such that $\alpha_0 + \alpha_1 + \alpha_2 = 1$. Then there is a translation τ such that, denoting τR by R' , $|R' \cap A_i| = r\alpha_i$ for $i = 0, 1, 2$.

E. G. Begle (New Haven, Conn.).

STEINHAUS, Hugo

(1)

Steinhaus, Hugo. Table of shuffled four-digit numbers.
Rozprawy Mat. 6, 46 pp. (1954). (Polish, Russian and English)

This is a table of the 10000 four-digit numbers 0000-9999 arranged in a supposedly random way. Since the table contains each number once and only once it can be used for sampling problems in which samples, once drawn, are not replaced. Thus it could be used for a schedule for the retirement of bonds. By reading the digits vertically by fours, instead of horizontally, one obtains an ordinary random number table in which numbers may be missing or may occur more than once. No tests have been made of the actual randomness obtained. The table was produced by hand by a series of randomizing transformations applied to a table of 100 rows and columns.

D. H. Lehmer.

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0
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10-28-54 LL

STEINHAUS, H.

3568

517.53 : 621.395.74

Lukaszewicz J., Steinhaus H. On Determining the „Centre of Copper” of a Telephone Network.

„W wyznaczaniu środka miedzi sieci telefonicznej”. Zastosowania Matematyki (PAN). No. 4, Warszawa-Wrocław, 1954, PWN, pp. 299—307, 4 tabs.

The authors solve the problem of determining the optimum location of a telephone exchange, i.e. so determining a point Q that the sum of the distances r_i between the point Q and given points P_i (in which the distribution cabinets are placed), multiplied by positive numbers c_i (proportionate to the cost of a unit of cable length), is at a minimum. The required minimum of the function $\Phi(Q) = \sum c_i r_i$ can be determined by means of dynamical analogy. The function $-\Phi(Q)$ is the potential of the dynamical system presented. If the points P_i do not lie on a straight line, then the surface $z = \Phi(Q)$ is convex downwards and there exist precisely one minimum of the function $\Phi(Q)$. From the convexity of the potential there results a new method of approximately determining the minimum of the function, that is by bounding with polygons the domain in which the required minimum is to be found, as well as a method of estimating the minimum value of the function. Iteration constitutes a third method of determining the minimum of the function $\Phi(Q)$.

PLATE I BOOK REFLECTIONS POL/201

Polish Society of Mathematicians

Prace Matematyczne, 1, 2 (Mathematical Transactions, Vol. 1, pt. 2).
Warszawa, Państwowe wydawnictwo naukowe, 1955. 411 p. 1465 copies printed.
Errata ally inserted.

Editorial Committee: Wladyslaw Orlicz (Chief Ed.), Stefan Drobos (Deputy
Chief Ed.), Adam Mikolajski, Stanislaw Baranec, Jan Mikulinski, Roman Sikorski,
Krzysztof Zarasinski, Krzysztof Zarasinski, and Wladyslaw
Wrona.

PURPOSE: This book is intended for mathematicians.

COVERAGE: The book consists of a collection of articles on analysis, series,
and function theory. Among the topics discussed are: the solution of
differential equations, set translation, power series, approximation of
operational calculus, approximation of functions, functions of several
variables and measures in Euclidean and Hilbert spaces. At the end of most
of the articles. No preambles are mentioned.

Marnacki, H. On a Certain Elementary Power Series	264
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Baranec, S. Some Properties of the Root of a Conical Equation	288
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Mikulinski, J. Operational Calculus in the Light of Present-day Mathematical Trends	314
Knapowski, S. On the Errors in Approximating a Function by the First Term of its Power Series	371
Orlicz, W. On Perfectly Convergent Series in Certain Functional Spaces	395
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AVAILABLE: Library of Congress	
Card 1/3	

26/Nov/55
9-16-60

STEINHAUS, H.

The problem of irreversibility. p. 123. Warszawa
Vol. 1, no. 2, 1955

SERIA B: PRZYROD A NEOZYWLONA

SOURCE: East European Acession List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

STEINHAUS, H.

✓ Lukaszewicz, J.; and Steinhaus, H. On measuring by comparison. Zastos. Mat. 2 (1955), 225-231. (Polish. Russian and English summaries) 2

Thickness being measured with n gauges $d_1 < \dots < d_n$, every s found to satisfy $d_j < s < d_{j+1}$ is taken to be O_j where O_0, \dots, O_n are fixed numbers satisfying $d_j < O_j < d_{j+1}$. Given the d.f. of s , the mean absolute (or squared) error is minimised with respect to O_0, \dots, O_n in terms of d_1, \dots, d_n , or vice versa, or with respect to both sets simultaneously. The numerical solution of the last problem for a normal d.f. and 15 gauges is given. The minimum number of trials is also discussed. S. K. Zaremba.

Math

FLECK, Ludwik; KUNICKA, Anna; LUKASZEWICZ, Josef; MALINOWSKA, Maria;
STEINHAUS, Hugo

~~XXXXXXXXXXXXXXXXXXXX~~
Problem of carriage of diphtheria. Arch. immun. ter. dosw. 3:
173-190 1955.

1. Instytut Matki i Dziecka w Warszawie (Dyrektor: prof. dr.
F. Groer) Zakład Mikrobiologii (Kierownik: prof. dr. L. Fleck)
Instytut Matematyczny PAN.

(THROAT, microbiology,

Corynebacterium diphtheriae carriage in normal child.
(Pol))

(CORYNEBACTERIUM DIPHTHERIAE,

throat, carriage in normal child. (Pol))

STEINHAUS, H.

PHASE I BOOK EXPLOITATION

POL/4232

Polskie towarzystwo matematyczne

Prace Matematyczne, II, 1 (Mathematical Transactions, Vol. 2, pt. 1). Warszawa, Państwowe wyd-wo naukowe, 1956. 200 p. 790 copies printed.

Editorial Committee: Władysław Orlicz (Chief Ed.), Stefan Drobot (Deputy Chief Ed.), Adam Bielecki, Stanisław Hartman, Jan Mikusiński, Roman Sikorski, Marcell Stark, Hanna Szmuszkowicz, Krzysztof Tatarkiewicz, and Włodzimierz Wrona.

PURPOSE: This book is intended for mathematicians.

COVERAGE: This collection of articles deals with the theory of numbers, algebra, and some other subjects connected with mathematics. Among topics treated are the pursuit method of the theory of games and a biography of a Polish mathematician K. Zurawski, consisting mainly of a discussion of his mathematical work. No personalities are mentioned. References and summaries in Russian and English are given after several of the articles.

Card 1/4

Mathematical Transactions (Cont.)

POL/4232

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Mathematical Transactions (Cont.)

POL/4232

Sierpiński, W. On Certain Expansions of Real Numbers Into Infinite Rapidly Converging Products	131
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Knapowski, S. A Theorem in the Theory of Finite Groups	165
Ehrenfeucht, A. A Criterion of Indecomposability of Polynomials	167
Knapowski, S. A Criterion of Irreducibility of the Equations of Degree $p + 1$	170
Czarnota, A. The Necessary and Sufficient Conditions for the Card $3/4$	

Mathematical Transactions (Cont.)

POL/4232

Modules of the Congruence

$$\sum_{r=1}^{n-1} r^n - 1 \equiv -1 \pmod{n}$$

172

Reports From Scientific Sessions Held at the Polish Mathematical Society

179

AVAILABLE: Library of Congress

Card 4/4

AC/wbc/ec
9-16-60

34594

S/044/62/000/001/046/061
C111/C222

16.6100

AUTHOR: Steinhaus, H.

TITLE: On the prognosis

PERIODICAL: Referativnyy zhurnal, Matematika, no. 1, 1962, 11,
abstract 1V49. ("Zastosow. mat.", 1956, 3, no. 1, 1-7)

TEXT: Let F be a distribution function of a variable which is
to be prognosed, and let $g(x,y)$ be the loss in the case one takes y as
the prognosis of the variable when the actual value was x . It is then
natural to consider that value as the best prognosis which minimizes
the function

$$H(y) = \int_{-\infty}^{\infty} g(x,y) dF(x).$$

It is emphasized that this value depends largely on the form of the
function $g(x,y)$.

[Abstracter's note: Complete translation.]

Card 1/1

W. H. H. H.

The collaboration of various sciences as illustrated by mathematics, and its
role in modern scientific circles. p. 1.
(M. H. H. Vol. 1, no. 1, Oct/Dec. 1956, Warszawa, Poland)

50: Monthly list of East European Accessions (M. H. H. Vol. 1, no. 12, Dec. 1957.
Encl.

STEINHAUS, H.

Some basic problems of mathematical statistics. Tr. from the Polish, p. 36.
(Pokroky Matematiky, Fysiky A Astronomie, Vol. 2, no. 1, 1957. Praha,
Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

Steinhaus, Hugo. On some fundamental questions in
mathematical statistics. Pokroky Mat. Fys. Astr. 2
(1957), 36-43. (Czech) 2

A translation from the German of the article in Bericht
Tagung Wahrschein. Math. Statist. Berlin, 1954, pp. 55-63
[Deutscher Verlag der Wissenschaft., Berlin, 1956; MR 19,
73].

PHASE I BOOK EXPLOITATION

POL/4355

Polskie towarzystwo matematyczne

Prace Matematyczne, Seria I, II, 2 (Mathematical Transactions, Series I, vol. II.2)
Warszawa, Państwowe wyd-wo naukowe, 1958. 195 p. Errata slip inserted.
1,000 copies printed.

Editorial Board: Władysław Orlicz (Chief Ed.), Stefan Drobot (Deputy Chief Ed.),
Adam Bielecki, Stanisław Hartman, Jan Mikusiński, Roman Sikorski, Marcell
Stark, Hanna Szמושkwicz, Krzysztof Tatarkiewicz, and Włodzimierz Wrona.

PURPOSE: This book is intended for mathematicians

COVERAGE: The ^{book} contains 14 articles dealing with algebra, the theory of games,
analysis, geometry, and two general mathematical topics. Summaries appear
in Russian and English. No personalities are mentioned. References accompany
individual articles.

Card 1/3

Mathematical Transactions (Cont.)

POL/4355

TABLE OF CONTENTS:

Infeld, L. (Warsaw). Importance of Modern Physics for the Development of Mathematics	201
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Steinhaus H. (Wrocław). McKinsey's Book on Games	234
Sadowski, W. (Warsaw). Statistical Decision Functions and the Theory of Games	255
Straszewicz, S. (Warsaw). On the Basic Theorems in Lobachevskiy's Trigonometry	269
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Krasnodębski, R. (Wrocław). The Differential Invariants of the Curve in a Symplectic Space	299
Mrówka, S. (Warsaw). On the Topology of the Spaces of Closed Subsets	309
Mostowski, A. Włodzimierz (Warsaw). The Direct Sums of Cyclic Groups	319

Card 2/ 3

Mathematical Transactions (Cont.)

POL/4355

Meder, J. (Szczecin). Application of the Mazur Theorem on Convergence Multipliers to the Sequences Limitable by the Euler-Knopp Method	329
Krzywicka, E. (Wrocław). On the Solutions of the Differential Equation $x^{(n)} + A(t)x = 0$ Satisfying the Conditions at Several Points	337
Gołubiew, W. On Twin Numbers	352
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Giesieński, Z. (Poznań). On Some Inequalities	361
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AVAILABLE: Library of Congress

Card 3/3

AC/dwm/lfh
10/19/60

STEINHAUS, H.; MARCZEWSKI, E.

Systematic distance of biotopes. p. 195.

ZASTOSOWANIA MATEMATYKI. (Polaka Adademia Nauk. Instytut Matematyczny)
Warsawa, Poland. Vol. 4, no. 3, 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

STEINHAUS, H.; TRIBULA, S.

Measurement of successive comparison. p. 204.

ZASTOSOWANIA MATEMATYKI. (Polska Akademia Nauk. Instytut Matematyczny)
Warsawa, Poland. Vol. 4, no. 3, 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

STEINMANS, H.

Mathematics, yesterday and today. p. 137.

KOSMOS. SERIA B: PRZYJODA NIEGŁYWIONA. (Polskie Towarzystwo Przyrodników im. Kopernika) Warszawa, Poland. Vol. 5, No. 2, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 3, no. 8, August 1959.
UNCL

~~STEINHAUS, Hugo~~ [Steinhaus, Hugo] (Vroslavl', Pol'sha)

The true nature of mathematics. Mat.v shkole no.1:29-36 Ja-F
'60. (MIRA 13:5)

(Mathematics)

GLEICHGEWICHT, B.; KUCHARCZYK, J.; STEINHAUS, H. (Wroclaw)

Remarks on numerical games. Zastos mat 5 no.1:21-33 '60. (EEAI 10:1)
(Games of chance (Mathematics))
(Poland--Lotteries) (Probabilities)

STEINHAUS, Hugo

Stefan Banach (1892-1945). Review Pol Academy 5 no.3/4:82-90
Jl-D '60.

(Banach, Stefan) (Poland—Mathematicians)

STEINHAUS, H. (Wroclaw)

Stefan Banach; address delivered at Stefan Banach's commemorative ceremony. Roczniki matematyki 4 no.3:251-259 '61.

(Mathematicians, Polish)

S/044/63/000/001/001/053
A060/A000

AUTHORS: Mycielski, Jan, Steinhaus, H.

TITLE: A mathematical axiom contradicting the axiom of choice

PERIODICAL: Referativnyy zhurnal, Matematika, no. 1, 1963, 13, abstract 1A89
(Bull. Acad. polon. sci. Sér. sci. math., astron. et phys., 1962,
v. 10, no. 1, 1 - 3; English; summary in Russian)

TEXT: Let P be some set of infinite words in the alphabet $\{0, 1\}$. The game between the players I and II is thus defined: the players in turn call letters from the alphabet $\{0, 1\}$ so that at the n -th step the letter ϵ_n is called by player I, if n is even and by player II, if n is odd; it is assumed that each player knows the set P and the letters $\epsilon_0, \epsilon_1, \dots, \epsilon_{n-1}$ at the time of calling the letter ϵ_n . If the word $(\epsilon_0, \epsilon_1, \dots) \in P$ then the player I wins, otherwise player II wins. The axiom proposed by the authors instead of the axiom of choice states: for any P one of the players I, II has a winning strategy. The authors promise to publish proof for these propositions: 1) The new axiom, in contradistinction to the axiom of choice, implies that all linear sets possess

Card 1/2

dept. Mathematics, University Wroclaw

A mathematical axiom contradicting the axiom of choice

S/044/63/000/001/001/053
A060/A000

Ber's property and are Lebesgue-measurable. 2) The new axiom implies the existence of a function which carries out a selection from any denumerable family of sets, whose union has a power less than or equal to 2^{\aleph_0} . The authors discuss the possibility of replacing the axiom of choice by the new axiom in the proof of various theorems on the theory of sets, topology, theory of functions. etc. It is noted that, if the word $\epsilon_0, \epsilon_1, \dots$ is identified with the point

$\frac{\epsilon_0}{3} + \frac{\epsilon_1}{3^2} + \dots$ on the axis of real numbers, then a) the new axiom holds for every $P \subset F_\sigma \cup G_\delta$. b) the new axiom cannot be proven for every $P \in B_2$ ($B_2 = PCA \cap CPCA$). Moreover, the authors raise doubts as to the validity of the new axiom in the class of Borel sets and even in the class $F_{\sigma\delta} \cap G_{\delta\sigma}$.

F.A. Kabakov

[Abstracter's note: Complete translation]

Card 2/2

STEINHAUS, H. (Wroclaw)

A bridge with a hexagonal framework. Zastos mat 6 no.3:333-340 '62.

STEINHAUS, H. (Wroclaw)

Probability, credibility, possibility. Zastos mat 6 no.4:341-361
'63.

ESTIMATE, H. (1964)

Neural equilibrium. No. 1215-220 164.

STEINHAUS, H.

Stefan Banach. Studia math Ser spec no.1:7-15 '63.

STEINHAUSER, M

CZECHOSLOVAKIA/Electronics - Electron Radiation Tubes

H-6

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 18432

Author : Gadzik Bohdan, Prehlik Jaroslav, ~~Steinhauser Miroslav~~
Inst : Higher Institute for Vacuum Electronics, Prague, Czechoslovakia
Title : Super-orthicon 61 ZM40.

Orig Pub : Slaboproudy obzor, 1957, 18, No 12, 851-854

Abstract : A brief description of a new Czechoslovak transmitting television tube -- the super-orthicon type 61ZM40. Its electric parameters are given, the arrangement, and the principle of operation are described and the technological features and applications are listed. Bibliography, 13 titles.

Card :.1/1

STEINBERG, G.

Withering of leaves in some evergreen plants during the winter of 1956. p. 736.
(LITLOGIA, Vol. 11, no. 12, 1956, Bratislava, Czechoslovakia.)

SC: Monthly List of East European Accessions (EEAL) 10, Vol. 6, no. 12, December 1957. Incl.

STEINHUBEL, GEJZA

Arboretum Mlynany v minulosti a dnes. Bratislava, Vydavateľstvo Slovenskej akadémie vied, 1957. 171 p. (The Arboretum of Mlynany in the past and today. English, German and Russian summaries. illus., fold. map (in pocket), bibl., footnotes, tables)

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, no. 5, May 1958

I

Country : CZECHOSLOVAKIA
Category: Plant Physiology General Problems.

Abs Jour: RZhBiol., No 14, 1958, No 62945

Author : Steinhuebel, Gejza

Inst : -

Title : The Application of Hartl's Method to the Discovery
of Plant Damage by Flue Gases.

Orig Pub: Biologia, 1957, 12, No 8, 611-617.

Abstract: The damage caused to the spruce by flue gases
was determined with the aid of Hartl's method.
This method is based on the increase of wax for-
mation during the increase of the concentration of
harmful gases in the air. The method is applicable
during the whole year, in spite of the fact that

Card : 1/2

STEINJUBEL, G.

GEOGRAPHY & GEOLOGY

Periodicals: KRASY SLOVENSKA. Vol. 35, No. 10, 1958. (Oct.)

STEINJUBEL, G. A dendrologic park in Topolciansky. p. 369.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959.
Unclass.

STEINHUBEL, Gejza

Raising the seed production of Liriodendron tulipifera by artificial
allogamy. Biologia 14 no.12:888-895 '59. (EEAI 9:7)

1. Arboretum Slovenskej akademie vied, Mlynany.
(FERTILIZATION OF PLANTS) (SEED)
(LIRIODENDRON TULIPIFERA)

STEINHUBEL, Gejza

Method of determining the resistance of evergreens against fumes.
Les cas 9 no.4:279-291 '62.

1. Ceskoslovenska akademie ved Arboretum, Mlypany, Slovenska akademie
ved. Les cas 9 no.4:279-291 '62.

STEINHUBEL, G.

"Collection of papers on dendrology". Vol.3. Reviewed by
G. Steinhubel. Les cas 9 no.4:322-323 '62.

STEINHUBEL, G.

Problem of resistance of evergreen deciduous trees against detrimental effects of solid smoke emissions. Acta bot Hung 9 no. 3/4 433-445 '63.

1. Tschechoslowakische Akademie der Wissenschaften-
Arboretum Mlynany SAV, Vieska nad Zitavou, Czechoslovakia.

CZECHOSLOVAKIA

Gajda STEINHUBEL, Arboretum of the Slovak Academy of Sciences
(Arboretum Slovenskej akadémie vied), Bilyany.

"Changes in the Starch Stores in Leaves of the Common Holly Plant After
Application of Dust."

Bratislava, Biologia, Vol 18, No 1, 1963; pp 23-25.

Abstract [German summary modified]: Primary mode of action by which
inert dust affected starch production in leaves of *Ilex aquifolium*
was by decrease of light absorption; heat accumulation and interference
with transpiration were secondary. Evergreens are less affected than
deciduous trees; discussion of experiments and results. Drawing shows
starch in leaf tissue with and without dust layer; 8 diagrams, table;
4 Soviet, 1 Czech and 21 Western references.

1/1

CZECHOSLOVAKIA

STEINHÜBEL, Gejza and BERTA, Frantisek; Mlynany Arboretum of the Slovak Academy of Sciences, Czechoslovak Academy of Sciences, Mlynany.

"Annual Changes in Production of Assimilates in Evergreens."

Bratislava, Biologia, Vol 18, No 7, 1963; pp 498-503.

Abstract [German article]: Authors analyzed sugar and starch content of *Ilex aquifolium* L and *Laurocerasus officinalis* L. at weekly intervals throughout the year, correlating results with sunshine and temperature fluctuations. The highest total sugar content occurs in winter, with peak in February; higher in *Laurocerasus* than in *Ilex*. One graph; 1 Czech, 1 Soviet and 12 German references.

1/1

22

Direct Insolation."

Bratislava, Biologia, Vol 21, No 4, 1966, pp 277 - 294

APPROVED FOR RELEASE: 08/25/2000 **CIA-RDP86-00513R001653110017-6"**
Abstract: The influence of dust discharged from metallurgical plants upon deciduous and evergreen leaves was investigated in the field and in laboratory experiments. Dark colored dust is heated to higher temperatures in the sun than a clean leaf, and its heat is transmitted to the leaf. The layer of dust increases the temperature of deciduous leaves more than the temperature of evergreen leaves. Under certain conditions the amount of dust may cause such overheating of the leaves that permanent damage may result. Evergreen leaves are more resistant to overheating than deciduous leaves. 10 Figures, 3 Tables, 12 Western, 7 Czech, 2 Russian reference. (Manuscript received 24 Aug 65).

1/1

STEINIC, B.

The 4th National Selective Dog Exhibition. p.7

OBRANCE VLASTI. Praha, Czechoslovakia. Vol. 3, no. 47, Nov. 1955

Monthly List of East European Accessions, (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

STEININGER, S.

1 NA

✓ Steel Wire for Prestressed Concrete. J. Pochanski and
S. Steininger. (Materiały, 21, (11), 350-362). [In Polish].
A survey of published investigations on properties of wire
for prestressed concrete is given. The authors' investigations
indicated that this wire should be made from 0.0% carbon
steel. Wires 6 mm. in dia. drawn from rolled bars 8.5 and
9 mm. in dia., and wire 2.5 mm. in dia. drawn from 7 mm.
rolled bars possessed the best properties. Higher degrees of
reduction per draw increase the strength but decrease
elongation. The influence of relaxation and ageing was also
investigated. —Y. O

①

NA

yes

STEININGER, T.

Pechański J., Steininger T. Steel Wire for Pre-Stressed Concrete.

„Druty stalowe do betonów sprężonych”. Hutnik. No. 11, 1951, pp. 358—362, 4 figs., 8 tabs.

Review of publications dealing with experiments over the prospects of using steel wire for pre-stressed chord and cable concrete. The authors' experiments have established that steel with a carbon content of roughly 0.9 per cent should be used for this purpose. Optimum properties are possessed by the following wires: for pre-stressed cable concrete — 5 mm diameter wire drawn from 8.5 mm or 9 mm diameter rod; for pre-stressed chord concrete — 2.5 diameter wire drawn from 7 mm diameter rods. Major reductions in area in the individual mill trains increase the tensile strength of the wire, but reduce elongation and contraction. Investigations were also carried out as to stress relaxation and ageing. It was ascertained that final heat treatment is likely to have a beneficial influence on the properties of wire.

MG
Shu

①

STEININGER, ZYGMONT

P O L .

5584* Patenting of Steel Wires. Patentowanie drutów stalowych. (Polish.) Zygmunt Steininger. Wiadomości Hutnicze, v. 10, no. 12, Dec. 1954, p. 343-347.

Discusses the lead, salt, and air methods and resulting structural changes. Mistakes to avoid. Graphs, diagram, micrographs. 15 ref.

STEININGER, Z.

The electrosparking machining of wire drawing dies made from sintered carbides.
A description of an electrosparking machine for dies is given. Advantages
of electrosparking machining over mechanical grinding are discussed.

87

By Z. Steininger

SO: Hutnik, #3, Mar 55, pp. 77-112.

STEININGER, Zygmunt

POLON

10656* Electrospark Treatment of Wire-Drawing Dies Made of Sintered Carbides. Obróbka elektrośmierowa ciągadeł do drutu ze spiekanych węglików. (Polish.) Zygmunt Steininger. Hutnik, v. 22, no. 3, Mar. 1955, p. 87-89.
Design of electrospark machining equipment. Use and operation of the device and its advantages over mechanical polishing methods. Diagrams, circuit diagram, photograph, table. 17 ref.

17, 203

STEININGER, Z.

STEININGER, Z. Spontaneous and accelerated aging of steel wire. p. 346.
HUTNIK. Katowice, Poland. Vol. 9, No. 4, Apr. 1956

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

STEININGER, Z.

STEININGER, Z. Steel wire for prestressed concrete. p. 356. HUTNIK.
Katowice, Poland. Vol. 9, No. 4, Apr. 1956

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

STEININGER, Zygmunt, mgr inz.

Problem of production of the carrying ropes for the Kasprowy
Wierch rope railway. Wiad hut 15 no.2:39-44 F '59.

STEININGER, Z.

Electric-spark machine tools made of sintered powdered metals for wiredrawing machines.
p. 249.

MECHANIK. Warszawa, Poland, Vol 12, nos. 1-2, 7-9, 12; Jan.-Feb., July-Sept.,
Dec. 1957.

Monthly List of East European Accessions (EEAI) IC, Vol. 9, no. 2, Feb. 1960.
Uncl.

STEININGER, Zygmunt, mgr inż.

Production and certain properties of steel cables. Wlad hut 16
no.2:33-38 F '60.

STEININGER, Zygmunt, mgr.inz.

Steel cables as an example of fruitful scientific and technical cooperation. Przegl techn 81 no.15:17 Ap '60.

STEININGER, Zygmunt, dr inż.

Second Conference on Physical Metallurgy. Hutnik P 29 no.2:
79-81. F '62.

L0216

Z/056/62/019/010/001/002

D006/D102

AUTHORS: Steininger, Z., and Dolnicki, T.

TITLE: Influence of liquid medium on the efficiency of spark machining

PERIODICAL: Přehled technické a hospodářské literatury. Hutnictví a strojírenství, v. 19, no. 10, 1962, 613, abstract # HS 62-7779. Mechanik, Warsaw, 35, no 4, April 1962, 183-186

TEXT: The article presents a study on the selection of liquid media for electrospark machining. Tests made with various liquid media (alcohol-water mixture, organic compounds) are described, and an analysis of the influence of metal-removal rate and electrode size on machining efficiency is presented. The original article contains 5 figures. [Abstracter's note: Complete translation.]

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KAJFASZ, Stanislaw, doc, dr; STEININGER, Zygmunt, dr

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Inz i bud 20 no.1:36-40 Ja '63.

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